

PATENT ABSTRACTS OF JAPAN

(11)Publication number :10-055816

(43)Date of publication of application :24.02.1998

(51)Int.Cl.

H01M8/06

C25B1/04

C25B9/00

H01M8/04

(21)Application number :08-208687

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(22)Date of filing :08.08.1996

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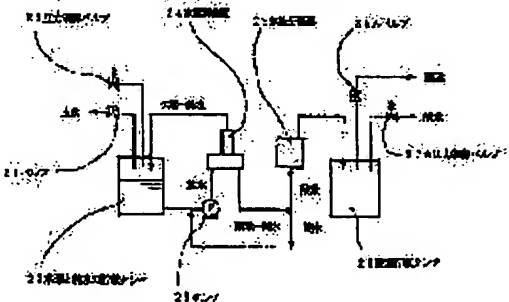
TAKAHASHI TAKEO

(54) HYDROGEN STORAGE POWER GENERATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a hydrogen storage power generation system allowing hydrogen to be stored at high pressure, consuming a small amount of distilled water and ensuring high efficiency as well as high economy.

SOLUTION: This system is equipped with a storage tank 22 for hydrogen and water used for a water electrolysis device 24, a pressure control valve 27 connected to the storage tank 22, and a gas-liquid separator 25. In this case, the storage tank 22 for hydrogen and distilled water supplies high pressure of distilled water to the anode of the water electrolysis device 24, and the gas-liquid separator 25 releases high pressure of stored oxygen via a float valve driven on the floating motion thereof in the distilled water. Furthermore, high pressure of distilled water after gas-liquid separation is supplied to the anode of the water electrolysis device 24, together with the distilled water in the storage tank 22.



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[Patent number]

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[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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